

Application No. 10/650,553

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

1. **(Currently Amended)** A toner comprised of resin, colorant, wax, and an aromatic hydrocarbon compatibilizer, and wherein said compatibilizer is generated from a styrene monomer and an indene monomer.

2. **(Original)** A toner composition in accordance with claim 1 wherein said compatibilizer further functions as an embrittling agent and possesses a low molecular weight, and wherein said wax is retained in said toner.

3. **(Original)** A toner composition in accordance with claim 2 wherein said low molecular weight is from about 1,000 to about 25,000 in weight average molecular weight.

4. **(Original)** A toner composition in accordance with claim 2 wherein said low molecular weight is from about 3,000 to about 15,000 in weight average molecular weight.

5. **(Original)** A toner composition in accordance with claim 2 wherein said low molecular weight is from about 700 to about 2,500 in weight average molecular weight.

6. **(Canceled)**

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7. **(Currently Amended)** A toner composition in accordance with ~~claim 1~~ claim 37 wherein said compatibilizer is a copolymer of isopropenyltoluene/indene.

8. **(Original)** A toner composition in accordance with **claim 1** wherein said compatibilizer possesses a softening point of from about 80°C to about 140°C.

9. **(Currently Amended)** A toner composition in accordance with **claim 1** wherein said compatibilizer possesses a softening point of from about 95°C to about 140°C; a softening point of from about 80°C to about 100°C; a softening point of from about 100°C to about 138°C; ~~or a softening point of from about 110°C to about 125°C.~~

10. **(Original)** A toner composition in accordance with **claim 1** wherein said compatibilizer possesses a glass transition temperature, T_g of from about 15°C to about 75°C.

11. **(Currently Amended)** A toner composition in accordance with **claim 1** wherein said compatibilizer possesses a glass transition temperature, T_g of from about 30°C to about 60°C; a glass transition temperature, T_g of from about 50°C to about 65°C; ~~or a glass transition temperature, T_g of from 30°C to 65°C.~~

12. **(Original)** A toner composition in accordance with **claim 1** wherein said resin is selected from the group comprised of polyesters, styrene butadiene copolymers, styrene acrylate copolymers, and styrene methacrylate copolymers.

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13. **(Original)** A toner composition in accordance with **claim 1** wherein there is selected as said resin a polyester, styrene acrylate, or a styrene methacrylate

14. **(Original)** A developer composition comprised of the toner composition of **claim 1**, and carrier particles.

15. **(Original)** A developer in accordance with **claim 14** wherein the carrier particles are comprised of a core with a polymeric coating thereover.

16. **(Original)** A developer composition in accordance with **claim 15** wherein the carrier particles are comprised of a steel or a ferrite core with a coating thereover selected from the group consisting of polychlorotrifluoroethylene-co-vinylchloride copolymer, a polyvinylidene fluoropolymer, a terpolymer of styrene, methacrylate, and an organo silane, fluorinated ethylene-propylene copolymers, and polytetrafluoroethylene.

17. **(Original)** An imaging method which comprises generating an electrostatic latent image on a photoconductive imaging member, subsequently affecting development of this image with the toner composition of **claim 1**, thereafter transferring the image to a permanent substrate, and optionally permanently affixing the image thereto.

18. **(Original)** A toner composition in accordance with **claim 1** wherein said compatibilizer is present in an amount of from about 0.5 to about 10 weight percent.

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19. **(Original)** A toner composition in accordance with claim 1 wherein said compatibilizer is present in an amount of from about 0 to about 12 weight percent.

20. **(Original)** A toner composition in accordance with claim 1 wherein said resin is comprised of first and second resin particles, and wherein the first resin particles are selected from the group consisting of polyesters, styrene acrylate copolymers, and styrene methacrylate copolymers.

21. **(Original)** A toner composition in accordance with claim 20 wherein said polyesters result from the condensation reaction of dimethylterephthalate, 1,2-propanediol, 1,3-butanediol, and pentaerythritol; or wherein the polyester results from the condensation reaction of dimethylterephthalate, 1,2-propanediol, diethylene glycol, pentaerythritol, and bisphenol-A with fumaric acid.

22. **(Original)** A toner composition in accordance with claim 20 wherein the first resin particles are present in an amount of from about 40 to about 90 weight percent, and the second resin particles are present in an amount of from about 60 to about 10 weight percent.

23. **(Original)** A toner composition in accordance with claim 20 wherein the first resin is present in an amount of from about 50 weight percent to about 85 weight percent, and the second resin is present in an amount of from about 10 weight percent to about 40 weight percent.

24. **(Original)** A toner composition in accordance with claim 1 wherein the colorant is carbon black.

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25. **(Original)** A toner composition in accordance with **claim 1** wherein the colorant is a pigment selected from the group consisting of magenta, cyan, yellow, and mixtures thereof.

26. **(Original)** A toner composition in accordance with **claim 1** wherein the wax has a weight average molecular weight of from about 1,000 to about 15,000.

27. **(Original)** A toner composition in accordance with **claim 1** wherein the wax is a polyolefin, or a mixture of polyolefins.

28. **(Original)** A toner composition in accordance with **claim 27** wherein the polyolefin is polyethylene or polypropylene.

29. **(Original)** A toner composition in accordance with **claim 1** wherein the wax is a polyolefin, or mixture of polyolefins comprised of polyethylene and polypropylene.

30. **(Original)** A toner composition in accordance with **claim 1** wherein the wax is present in an amount of from about 1 to about 10 weight percent, or the wax is present in an amount of from about 2 to about 7 weight percent.

31. **(Original)** A toner composition in accordance with **claim 1** wherein said compatibilizer possesses a weight average molecular weight of from about 800 to about 2,800.

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32. **(Original)** A toner composition in accordance with **claim 1** wherein said compatibilizer possesses a weight average molecular weight of from about 790 to about 2,760.

33. **(Original)** A toner composition in accordance with **claim 1** wherein said compatibilizer possesses a weight average molecular weight of from about 1,200 to about 1,900.

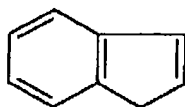
34. **(Original)** A toner composition in accordance with **claim 1** wherein said compatibilizer possesses a number average molecular weight of from about 550 to about 1,600; a number average molecular weight of from about 800 to about 1,100; or a number average molecular weight of from about 920 to about 1,190.

35. **(Original)** A toner composition in accordance with **claim 1** wherein said compatibilizer possesses a dispersity M_w/M_n of from about 1 to about 2; a dispersity M_w/M_n of from about 1.02 to about 1.83; or a dispersity M_w/M_n of from about 1.40 to about 1.70.

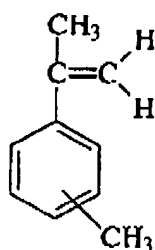
36. **(Original)** A toner in accordance with **claim 1** containing surface additives.

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37. **(Original)** A toner consisting essentially of resin, colorant, wax and a compatibilizer of a copolymer generated from a styrene monomer and an indene monomer, and which compatibilizer contains



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38. **(Original)** A toner comprised of resin, colorant, wax and a copolymer of isopropenyltoluene/indene, and which copolymer possesses a weight average molecular weight of from about 900 to about 7,000; a copolymer of isopropenyltoluene/indene, and which copolymer possesses a weight average molecular weight of from about 1,000 to about 4,000; a copolymer of isopropenyltoluene/indene, and which copolymer possesses a weight average molecular weight of from about 2,000 to about 6,000; and wherein said toner optionally further contains additives of silica oxide, titanium oxide and zinc stearate.

39. **(New)** A toner in accordance with claim 9 with a softening point of from about 110°C to about 125°C.

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40. **(New)** A toner in accordance with **claim 11** with a glass transition temperature, T_g of from 30°C to 65°C.